

**ABSTRACT**

A digital guitar system and method includes a digital guitar and a digital guitar interface device, and a method of converting a conventional guitar into a digital guitar. The guitar is adapted to generate analog audio signals, convert those signals into digital signals, format the digital signals according to a digital communication protocol, and to output the formatted signals. The guitar may include a novel multi-signal guitar pickup that generates some of the analog audio signals. The guitar is further adapted to receive digital signals, convert those signals into analog signals, and output the analog signals. The interface device is adapted to receive digital signals, convert those signals into analog signals, and output the analog signals.